

Appln. No. 09/857,383
Amendment dated January 12, 2005
Reply to Office Action of October 20, 2004

Amendments to the Claims:

Please amend claims 3 and 4, and add new claims 9-11 as follows. The following listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

Claim 1 (Previously Presented). A system for the execution of secure transactions in a multimedia network, comprising a multimedia network with customer stations, merchant servers, and a payment server connected to it, secure electronic transactions
5 being performed using a secure electronic transactions protocol, comprising the exchange of digital certificates, uniquely identifying the relevant transaction participants and also attesting their privileges at the merchant server, said certificates being managed by a Trusted Third Party Server being
10 connected to said multimedia network, said payment servers being enabled to validate the digital certificates presented and to process authorisation concerning the payment, said customer stations comprising transaction management means, fit for performing said secure electronic transactions protocol and for
15 managing said certificates for the customer station, further

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comprising a remote customer agent, managed by agent parameters received from said customer station and thus, under the control of said parameters, representing the customer station in a negotiation process, including selecting products to be presented
20 by the merchant server, payment for selected products being performed in a secure way, under control of said secure electronic transactions protocol and said certificates, the payment process being performed between said transactions management means and the merchant server.

Claim 2 (Previously Presented). The system according to claim 1, wherein said customer station comprises an agent interface, fit for transmission of codes, parameters and certificates between said customer agent and said transactions
5 management means.

Claim 3 (Currently Amended). The system according to claim 1, wherein a remote merchant agent, managed by agent parameters received from ~~said the merchant station server~~ and thus, under the control of said parameters, represents the merchant ~~station~~
5 server in a negotiation process, including presenting products to the customer agent or the customer station, and to have paid for

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products being selected by the customer agent or the customer station, in a secure way, under control of said secure electronic transactions protocol and said certificates.

Claim 4 (Currently Amended). The system according to claim 2, wherein said negotiation and payment process by said customer agent and said remote merchant agent is performed within an agent negotiation server, connected to said multimedia network.

Claim 5 (Previously Presented). The system according to claim 1, wherein within said secure electronic transaction protocol, for authentication and authorisation of said customer agent, a token is encapsulated, comprising an authorisation code
5 for opening up said transactions management means.

Claim 6 (Previously Presented). The system according to claim 5, wherein said token is stored within the customer agent in an encrypted form, using a random key, the random key being generated at the customer station for each new payment process.

Claim 7 (Previously Presented). The system according to claim 5, wherein both the customer station and the customer agent

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comprise a specific communication certificate, payment start
messages being communicated to said transactions management means
5 in encrypted form, using a random session key which, in turn, is
sent over in encrypted form, using the customer station's public
key related to said communication certificate, said message being
signed with the customer agent's private key related to said
communication certificate and a time stamp being added to said
10 message in order to prevent replay by malicious parties.

Claim 8 (Previously Presented). A method for the execution
of secure transactions in a multimedia network, comprising a
multimedia network with customer stations, merchant servers, and
a payment server connected thereto, secure electronic
5 transactions being performed using a secure electronic
transactions protocol, comprising the exchange of digital
certificates, uniquely identifying the relevant transaction
participants and also attesting their privileges at the merchant
server, said certificates being managed by a Trusted Third Party
10 Server being connected to said multimedia network, said payment
servers being enabled to validate the digital certificates
presented and to process authorisation concerning the payment,
said customer stations comprising transactions management means,

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fit for performing said secure electronic transactions protocol
15 and for managing said certificates for the customer station,
moreover, comprising a remote customer agent, managed by agent
parameters received from said customer station and thus, under
the control of said parameters, representing the customer station
in a negotiation process, including selecting products to be
20 presented by the merchant server, while payment for selected
products takes place in a secure way, under control of said
secure electronic transactions protocol and said certificates,
the payment process being performed between said transactions
management means and the merchant server, while, moreover, said
25 customer station comprises an agent interface, fit for
transmission of codes, parameters and certificates between said
customer agent and said transactions management means, and,
besides, a remote merchant agent, managed by agent parameters
received or to be received from said merchant station and thus,
30 under the control of said parameters, representing the merchant
station in a negotiation process, including presenting products
to the customer agent or the customer station, and to have paid
for products being selected by the customer agent or the customer
station, in a secure way, under control of said secure electronic
35 transactions protocol and said certificates, the method
comprising the steps of:

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in a first step, said customer agent requests said merchant agent to pay by credit card, and the merchant agent then informs said merchant server of the requested payment, while parallel to
40 that the customer agent initialises said transactions management means;

in a second step, a standard secure electronic transaction procedure is performed by the transactions management means, the merchant server and the payment gateway server; and

45 in a third, final step, after completion of the payment process, the merchant server informs the merchant agent of completion of the payment process, and the merchant agent passes this message on to the customer agent, which notifies the customer station of the payment completion.

Claim 9 (New). A data processing device for a system for the execution of secure transactions in a multimedia network, the multimedia network comprising merchant servers and a payment server enabled to validate digital certificates presented and to
5 process authorisation concerning a payment, connected to it, said data processing device comprising transaction management means performing a secure electronic transaction protocol, comprising the exchange of digital certificates, uniquely identifying the relevant transaction participants and also attesting their

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10 privileges at the merchant server, and for managing said
certificates for said data processing device, said data
processing device being configured to transmit agent parameters
to a remote customer agent for representing the data processing
device in a negotiation process, including selecting products to
15 be presented by the merchant server, payment for selected
products being performed in a secure way, under control of said
secure electronic transactions protocol and said certificates,
the transaction management means being configured to perform the
payment process with the merchant server.

Claim 10 (New). A data processing device for a system for
the execution of secure transactions in a multimedia network,
said data processing device comprising a remote customer agent
managed by agent parameters received from said customer station
5 and thus, under control of said parameters, representing the
customer station in a negotiation process, including selecting
products to be presented by the merchant server.

Claim 11 (New). A computer program product for a data
processing device for a system for the execution of secure
transactions in a multimedia network, said computer program
product comprising computer program code for executing a remote

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- 5 customer agent managed by agent parameters received from said customer station and thus, under control of said parameters, representing the customer station in a negotiation process, including selecting products to be presented by the merchant server.